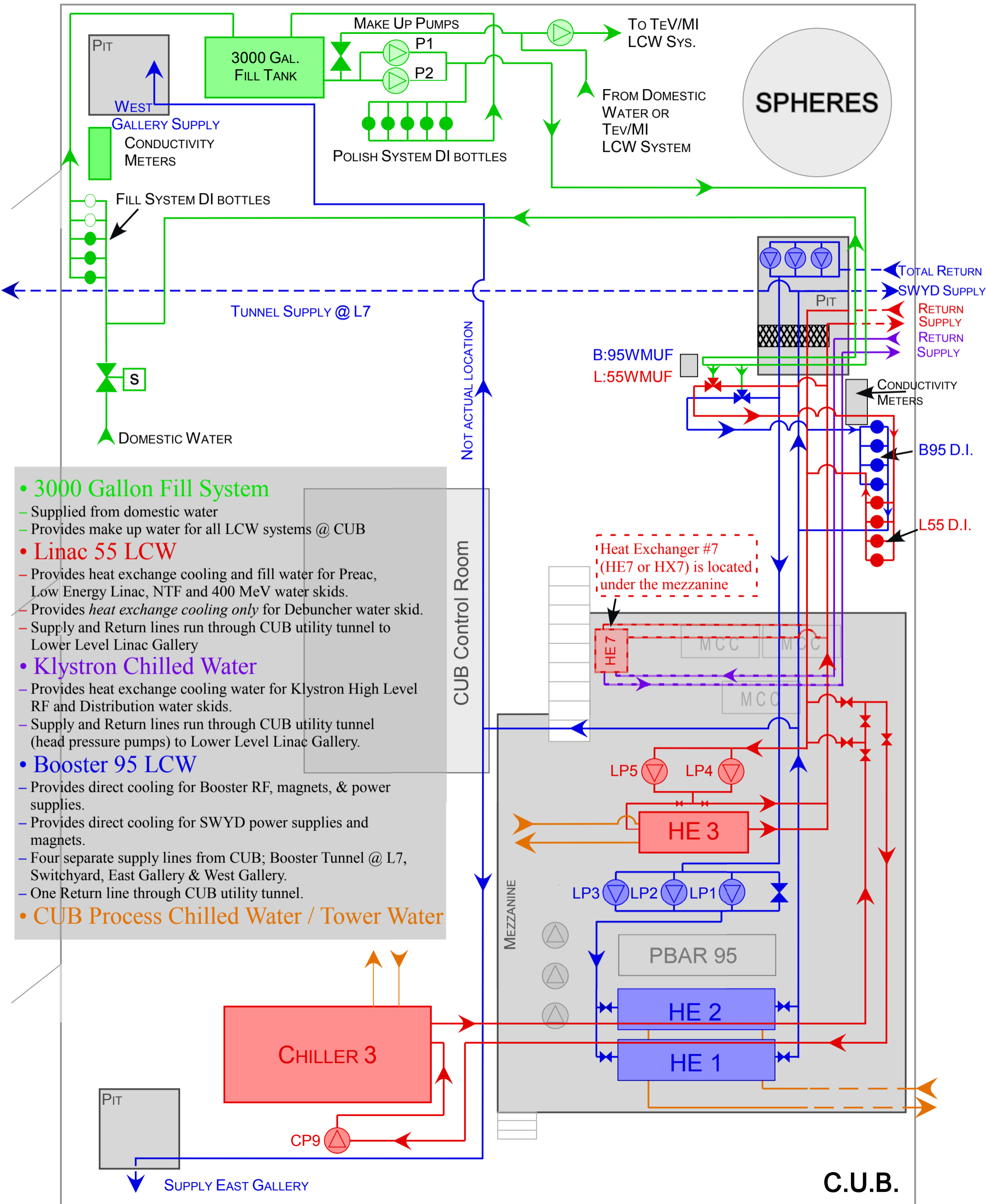


3000 Gallon Fill System at C.U.B.
Linac 55 Degree LCW System / Klystron Chilled Water System
Booster/SY 95 Degree LCW System at C.U.B.



• 3000 Gallon Fill System

- Supplied from domestic water
- Provides make up water for all LCW systems @ CUB

• Linac 55 LCW

- Provides heat exchange cooling and fill water for Preac, Low Energy Linac, NTF and 400 MeV water skids.
- Provides *heat exchange cooling only* for Debuncher water skid.
- Supply and Return lines run through CUB utility tunnel to Lower Level Linac Gallery

• Klystron Chilled Water

- Provides heat exchange cooling water for Klystron High Level RF and Distribution water skids.
- Supply and Return lines run through CUB utility tunnel (head pressure pumps) to Lower Level Linac Gallery.

• Booster 95 LCW

- Provides direct cooling for Booster RF, magnets, & power supplies.
- Provides direct cooling for SWYD power supplies and magnets.
- Four separate supply lines from CUB; Booster Tunnel @ L7, Switchyard, East Gallery & West Gallery.
- One Return line through CUB utility tunnel.

• CUB Process Chilled Water / Tower Water